

Module Specification

Module Summary Information

1	Module Title	Introduction to Gemmology
2	Module Credits	20
3	Module Level	4
4	Module Code	GEM4007

5	Module Overview
<p>The science of gemmology is inextricably linked with jewellery, and an understanding of gemstones is essential for anyone involved in the manufacturing, repairing, buying or selling of fine jewellery. Today's professional gemmologists face constant challenges as advances in synthetic gemstones and gemstone treatments become ever more sophisticated.</p> <p>This module is designed to provide you with an introduction to the most regularly-encountered gem materials, and a basic knowledge of their properties together with the correct terminology to use when dealing with these materials. These fundamental principles will be expanded to give you an overview of the most commonly encountered gemstone synthetics, simulants and treatments. You will develop this knowledge to help you understand how gemstones and gem-set jewellery should be handled in the workshop environment, and how they should be cleaned, stored and maintained.</p> <p>This is an optional module, designed to give specialist knowledge to anyone interested in the fine jewellery market.</p>	

6	Indicative Content
<p>Through a range of lectures and practical workshops, you will learn the key features and properties of a range of commonly-encountered gem materials, and how these should be handled in the workshop environment.</p>	

7	Module Learning Outcomes
On successful completion of the module, students will be able to:	
1	Identify the key properties of a range of gem materials, and which workshop techniques are relevant and appropriate for their correct handling.
2	Understand common gemstone treatments; recognise the difference between natural, synthetic and simulated gemstones, and how to detect some of the main varieties of synthetics and simulants.

8	Module Assessment		
Learning Outcome			
	Coursework	Exam	In-Person
1	X		
2	X		

9	Breakdown Learning and Teaching Activities	
Learning Activities	Hours	
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	32.5	
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	100	
Private Study (PS) includes preparation for exams	67.5	
Total Study Hours:	200	